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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

05/14/2008

David Aker
23 Southern Road
Hartsdale, NY 10530

EXAMINER

BASEHOAR, ADAM L

ART UNIT

PAPER NUMBER

2178

DATE MAILED: 05/14/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/683,794

02/15/2002

Takenori Kohda

JP920000363US1

2202

TITLE OF INVENTION: DIGITAL DOCUMENT BROWSING SYSTEM AND METHOD THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/14/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

05/14/2008

David Aker
23 Southern Road
Hartsdale, NY 10530

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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TITLE OF INVENTION: DIGITAL DOCUMENT BROWSING SYSTEM AND METHOD THEREOF

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nonprovisional

NO

\$1440

\$300

\$0

\$1740

08/14/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
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BASEHOAR, ADAM L

2178

715-254000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☐ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

☐ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,794	02/15/2002	Takenori Kohda	JP920000363US1	2202
7590	05/14/2008		EXAMINER	
			BASEHOAR, ADAM L	
			ART UNIT	PAPER NUMBER
			2178	
DATE MAILED: 05/14/2008				

David Aker
23 Southern Road
Hartsdale, NY 10530

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 299 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 299 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

09/683,794

Applicant(s)

KOHDA ET AL.

Examiner

Art Unit

ADAM L. BASEHOAR

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE filed 11/05/07 and the Response to Election/Restriction filed 03/10/08.
2. ☒ The allowed claim(s) is/are 1-20,23,24,28-33 and 35.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

EXAMINER'S AMENDMENT

1. This action is responsive to communications: the RCE filed 11/05/07 and the Response to Election/Restriction filed 03/10/08.
2. The Specification has been amended by the examiner, which is discussed below in the Examiner's Amendment section. All previous rejections to the claims have been withdrawn as necessitated by said Examiner's Amendment.
3. Claims 1-20, 23-24, 28-33, and 35 are allowed as necessitated by the Amendment. Claims 21-22, 25-27, and 34 have been cancelled.

Drawings

4. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because a multitude of lines, numbers, letters, and reference characters on each of the plurality of the drawings are illegible. Said drawing features must be plain and legible in such a way to give them satisfactory reproduction characteristics (e.g. durable, clean, black, dense/dark, uniformly thick, and well defined). Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the

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replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

Replacement Drawing Sheets

Drawing changes must be made by presenting replacement sheets which incorporate the desired changes and which comply with 37 CFR 1.84. An explanation of the changes made must be presented either in the drawing amendments section, or remarks, section of the amendment paper. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). A replacement sheet must include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of the amended drawing(s) must not be labeled as "amended." If the changes to the drawing figure(s) are not accepted by the examiner, applicant will be notified of any required corrective action in the next Office action. No further drawing submission will be required, unless applicant is notified.

Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and within the top margin.

Annotated Drawing Sheets

A marked-up copy of any amended drawing figure, including annotations indicating the changes made, may be submitted or required by the examiner. The annotated drawing sheet(s) must be clearly labeled as "Annotated Sheet" and must be presented in the amendment or remarks section that explains the change(s) to the drawings.

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Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.85(a). Failure to take corrective action within the set period will result in ABANDONMENT of the application.

If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability.

AMENDMENT

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

6. Authorization for this examiner's amendment was given in a telephone interview with David Aker on 05/05/08.

The Application has been amended as follows:

1. (currently amended) A digital document browsing system comprising:
 - a layout engine, for determining the layout of a digital document having sentences and images, based on digital document display form historical data relating to previous ~~[[of]]~~ use of said document, ~~acquired previously~~, by said browsing system;
 - a view generator, for generating, in accordance with said layout determined by said layout engine, data relating to the display form of said digital document, said data

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including a summary preparation request designating sentences in the digital document for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of original sentences in the digital document, said summarization rate varying and being determined for each sentence within said document, and a compression rate for said images, said compression rate varying for each of said images within said document;

a summarization engine for generating a summary in response to said data; and

a display user interface, for displaying said digital document ~~on a display device~~ based on said data relating to said display form generated by said view generator;

wherein said display form includes an indicator indicating which portion of the digital document is displayed at which compression rate.

3. (currently amended) The digital document browsing system according to claim 1, further comprising:

a history database within said browsing system,

wherein after said digital document has been displayed, through said display user interface, by using a predetermined display form for a predetermined period of time, and when said display form is updated by said user, data relating to said display form that has been used is stored as historical data in said history database, and

wherein said layout engine determines said layout of said digital document based on said historical data obtained from said history database.

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6. (currently amended) The [[A]] digital document browsing system according to claim 1, further comprising:

a display form generator, for generating a display form wherein display areas to be allocated to elements constituting said digital document are altered in accordance with [[the]] importance levels of said elements, while the general structure of the [[a]] digital document is maintained and all of the elements of the digital document are always displayed simultaneously on a single screen;~~and~~

~~—— a display for displaying said digital document in said display form that is generated by said display form generator.~~

9. (currently amended) A digital document browsing system comprising:

a summarization engine, for preparing summaries for sentences in a digital document based on historical data related to a display form previously used for said digital document and data relating to the display form of said digital document, said data including a summary preparation request designating sentences in the digital document for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of original sentences in the digital document, said summarization rate varying and being determined for each sentence within said document, and a compression rate for any images within said document, said compression rate varying for each image;

a view generator, for inserting, in the display form, said summaries prepared by said summarization engine instead of the original contents of said digital document, and for generating data relating to the display form of said digital document; and

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a display user interface, for displaying said digital document on a display device based on said data, generated by said view generator, relating to said display form;

wherein said display form includes an indicator indicating which portion of the digital document is displayed at which compression rate.

11. (currently amended) The digital document browsing system according to claim 9, further comprising:

a history database within said browsing system,

wherein after said digital document has been displayed, through said display user interface, with a predetermined display form for a predetermined period of time, and when said user has updated said display form, data relating to said display form that has been used is stored as historical data in said history database, and

wherein said layout summarization engine summarizes said sentences of said digital document based on said historical data obtained from said history database.

12. (currently amended) A browser for displaying a digital document on a display device comprising:

an input function for entering a digital document to be displayed; and

a display function, for displaying said digital document using a predetermined display form,

wherein said display function displays, instead of the original contents of said digital document, a summary that is prepared based on historical data related to a display form for said document previously used for display of said digital document on said

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display device and other data relating to the display form of said digital document, said other data including a summary preparation request designating sentences in the digital document for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of original sentences in the digital document, said summarization rate varying and being determined for each sentence within said document, and a compression rate for any images within said document, said compression rate varying for each image;

a display, for displaying said digital document on said display device based on said data, generated by said display function, relating to said display form;

wherein said display form includes an indicator indicating which portion of the digital document is displayed at which compression rate.

15. (currently amended) The [[A]] browser for displaying a digital document on a display device according to claim 12, further comprising:

~~a display function, for displaying a digital document having a predetermined display form; and~~

a display updating function, for updating said display form,

wherein according to a predetermined rule said display function, while maintaining the structure of said digital document, alters display areas to be allocated for elements constituting said digital document so as to always simultaneously display all of its elements on a single screen, and displays said digital document in the resultant display areas.

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17. (currently amended) The browser according to claim 15, wherein, in the display form of said digital document to be displayed, initially, said display function enlarges a display area for an element located at the head of said digital document, and reduces display areas for succeeding elements; and reduces said [[a]] summarization rate for an element located at the head of said digital document and increases said summarization rate for succeeding elements, and wherein, each time said display updating function updates said display form upon receiving an update request, said display function shifts rearward the range wherein a large display area is set and said summarization rate is reduced for the sentence element.

19. (currently amended) A sentence summarization system comprising:

a summarization history database, in which historical data for the summarization of sentences in a document is stored; and

a summarization engine, for summarizing sentences based on said historical data stored in said summarization history database for said document, and other data relating to the display form of said digital document, said other data including a summary preparation request designating sentences in the digital document for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of original sentences in the digital document, said summarization rate varying and being determined for each sentence within said document, and a compression rate for any images within said document, said compression rate varying for each image;

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wherein said display form includes an indicator indicating which portion of the digital document is displayed at which compression rate.

21. – 22. (canceled).

23. (currently amended) A sentence summarization method comprising the steps of:

obtaining target sentences to be summarized;

obtaining historical data related to a summary for said target sentences from a summarization history database in which historical data are stored that are related to a previous summarization of a document containing said sentences, said data relating to the display form of said digital document, said data including a summary preparation request designating sentences for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of the target sentences in the digital document, said summarization rate varying and being determined for each of said target sentences within said document, and a compression rate for any images within said document, said compression rate varying for each image;
and

determining which parameters are required for the preparation of said summary based on said historical data, and preparing said summary of said target sentences based on said parameters;

wherein said display form includes an indicator indicating which portion of the digital document is displayed at which compression rate.

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28. (currently amended) A storage medium on which an output of a computer stores a computer-readable program that permits said computer to perform:

- a process for extracting the structure of a digital document to be displayed;
- a process for replacing, for each of the elements of said structure, said elements including sentences and images, the original contents of said digital document with a summary that is prepared based on historical data related to a display form for said document that was previously used for said digital document and other data relating to the display form of said digital document, said other data including a summary preparation request designating sentences for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of target sentences in the digital document, said summarization rate varying and being determined for each of said target sentences within said document, and a compression rate for said images, said compression rate varying for each of said images within said document;

- generating data related to a new display form; [[and]]
- a process for displaying said digital document on a [[said]] display device based on said data related to said new display form; and
- a process for providing on said display form an indicator indicating which portion of the digital document is displayed at which compression rate.

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29. (currently amended) ~~The [[A]] storage medium on which an output of a computer stores a computer-readable program that permits said computer to perform according to claim 28, further comprising:~~

~~a process for extracting the structure of a digital document;~~

a process for generating data, while maintaining said structure of said digital document, related to said [[a]] display form wherein display areas to be allocated to elements that constitute said digital document are altered in accordance with the importance levels of said elements, so that all elements of said digital document are always presented simultaneously on one screen; ~~and~~

~~a process for displaying said digital document on a display device based on said data related to said display form.~~

30. (currently amended) A storage medium on which an output of a computer stores a computer-readable program that permits said computer to perform:

a process for obtaining target sentences to be summarized;

a process for obtaining historical data related to a summary for said target sentences from a summarization history database in which historical data are stored that are related to a previous summarization of a document containing said sentences and other data relating to the display form of said digital document, said other data including a summary preparation request designating the sentence for which summarization is required, a summarization keyword, and a summarization rate indicative of a ratio of length of a summary to length of the target sentences in the digital document, said summarization rate varying and being determined for each of said target sentences within

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said document, and a compression rate for any images within said document, said compression rate varying for each image; [[and]]

a process for determining which parameters are required for the preparation of said summary based on said historical data, and preparing said summary of said target sentence based on said parameters; and

a process for providing on said display form an indicator indicating which portion of the digital document is displayed at which compression rate.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US-2002/0046018	04-2002	Marcu et al.
US-5,924,108	07-1999	Fein et al.
US-2002/0138528	09-2002	Gong et al.
US-2002/0007367	01-2002	Narahara

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam L. Basehoar whose telephone number is (571)-272-4121. The examiner can normally be reached on M-F: 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Adam L Basehoar/
Primary Examiner, Art Unit 2178